

Converting Colors

$Yxy(83.1376, 0.3142, 0.4371)$

Have a look what the booklet for
Yxy(83.1376, 0.3142, 0.4371)
contains.

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Color

Yxy(83.1273, 0.3145, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFA2
RGB	174, 255, 162
RGB Percent	68%, 100%, 64%
CMY	0.3176, 0.0000, 0.3646
CMYK	0.32, 0.00, 0.36, 0.00
HSL	112°, 100%, 82%
HSV	112°, 36%, 100%
XYZ	59.7430, 83.1273, 47.0915
YIQ	220.1790, -18.4230, -46.0950

Conversions

Conversions Part 2

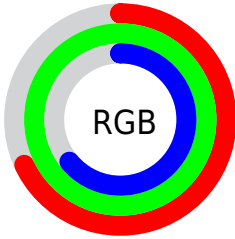
Format	Color
RYB	162, 255, 243
Decimal	11468706
CIELab	93.07, -41.83, 36.80
CIElCh	93, 55.712, 138.654
Yxy	83.1273, 0.3145, 0.4376
Android (android.graphics.Color)	4289658786 (0xFFFAEFFA2)
YUV	220.1790, -28.6822, -40.4990
Hunter-Lab	91.1742, -42.5905, 33.1986

Details

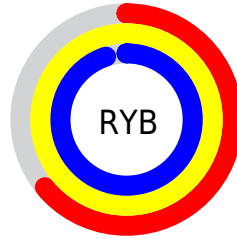
The Yxy color **83.1273, 0.3145, 0.4376** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.1268, 0.3072, 0.2357**, and the grayscale version is **71.9224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7378, 0.3197, 0.3668**, and **45.3438, 0.3124, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **79.9698, 0.3141, 0.4725**, and if you desaturate by 10%, it is **86.8975, 0.3144, 0.4041**.

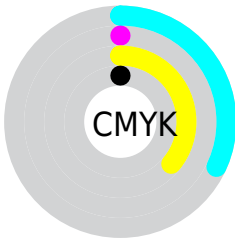
Distribution



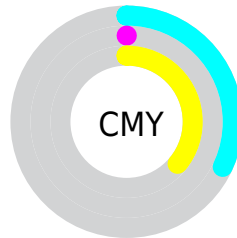
- Red (68%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1273, 0.3145, 0.4376 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 83.1273, 0.3145, 0.4376 by changing the saturation by 10% instead.


 83.1273, 0.3145,
0.4376


 83.1273, 0.3145,
0.4376


505.4107, 0.3155,
0.3857

 62.2952, 0.3138,
0.4498


 137.7537, 0.3152,
0.4193

 45.2712, 0.3126,
0.4649


 172.3168, 0.3154,
0.4123

 31.6711, 0.3107,
0.4842


212.2257, 0.3155,
0.4062

 21.1104, 0.3075,
0.5095

257.8648, 0.3156,
0.4010

 13.2047, 0.3018,
0.5439

309.6184, 0.3156,
0.3965

 7.5697, 0.2909,
0.5927


367.8710, 0.3156,


 3.8209, 0.2768,


0.3924


0.6859


433.0070, 0.3156,
0.3889

 1.5739, 0.1837,
0.8163


 0.3399, 0.0000,
1.0000

 83.1273, 0.3145,
0.4376


 83.1273, 0.3145,
0.4376


 79.9698, 0.3141,
0.4725


 86.8975, 0.3144,
0.4041

 77.3826, 0.3130,
0.5070

 91.2993, 0.3140,
0.3732

 75.3343, 0.3113,
0.5388

 96.3639, 0.3133,
0.3453

 73.7861, 0.3091,
0.5653

99.9996, 0.3127,
0.3290

■ 72.6941, 0.3064,
0.5845

■ 72.0060, 0.3036,
0.5954

■ 71.8413, 0.3028,
0.5978

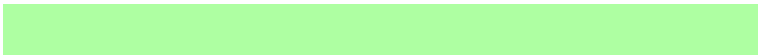
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1273, 0.3759, 0.4441



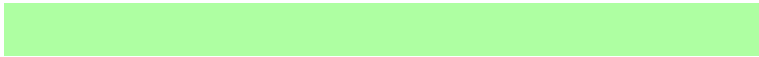
83.1273, 0.3145, 0.4376



83.1273, 0.2558, 0.3898

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1273, 0.3145, 0.4376



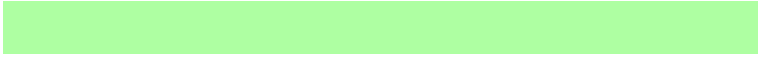
83.1273, 0.2096, 0.2367



83.1273, 0.4198, 0.3210

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.1273, 0.3145, 0.4376



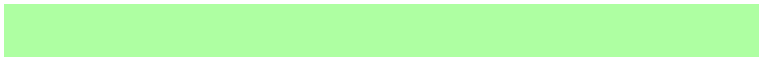
52.1268, 0.3072, 0.2357

Split Complementary

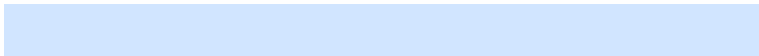
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1273, 0.3659, 0.2768



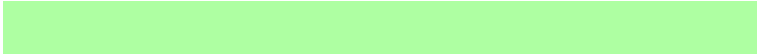
83.1273, 0.3145, 0.4376



83.1273, 0.2443, 0.2299

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1273, 0.3145, 0.4376



83.1273, 0.1994, 0.2679



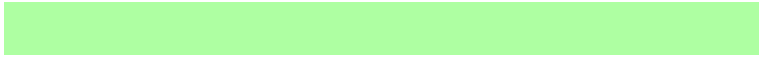
83.1273, 0.3002, 0.2446



83.1273, 0.4408, 0.3699

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1273, 0.3145, 0.4376



83.1273, 0.2259, 0.3454



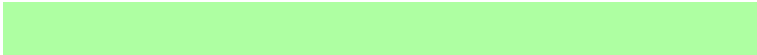
83.1273, 0.3002, 0.2446



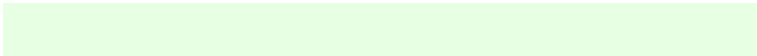
83.1273, 0.4047, 0.3054

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.1308, 0.3145, 0.4376



93.9806, 0.3136, 0.3575



87.7337, 0.3718, 0.4093



19.9692, 0.3137, 0.3613



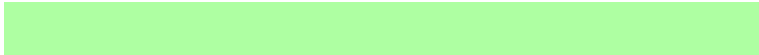
0.0000, 0.0000, 0.0000



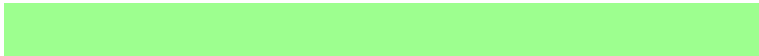
21.4041, 0.3127, 0.3290

Same Dimension

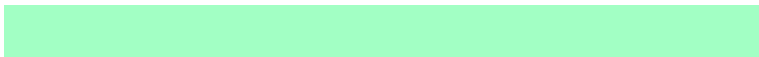
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1308, 0.3145, 0.4376



80.6930, 0.3142, 0.4639



83.1951, 0.2902, 0.3981



20.2804, 0.3135, 0.3534



37.5733, 0.3033, 0.5974



3.6917, 0.3088, 0.5930

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.1268, 0.3072, 0.2357



45.4221, 0.3055, 0.2169



52.3268, 0.3456, 0.2691



18.1745, 0.3117, 0.3054



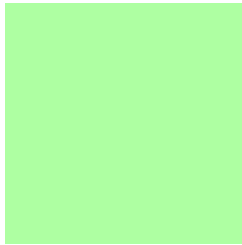
11.9420, 0.2885, 0.1363



1.1945, 0.2924, 0.1384

Previews

White Background



This preview shows how the Yxy color 83.1273, 0.3145, 0.4376 looks on a white background.

Color Contrast Check

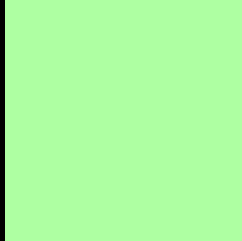
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 83.1273, 0.3145, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

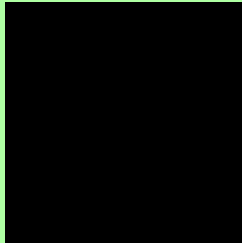
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

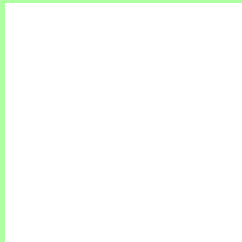
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1273, 0.3145, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 83.1273, 0.3145, 0.4376.

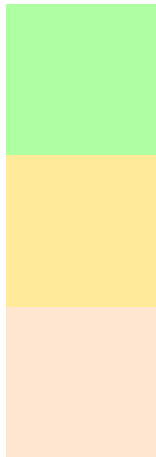


This preview shows how white text looks on a background with the Yxy color 83.1273, 0.3145, 0.4376.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.1273, 0.3145, 0.4376

Protanopia

82.2164, 0.3797, 0.4105

Deuteranopia

82.4077, 0.3449, 0.3512



Tritanopia

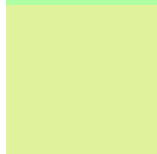
82.3775, 0.2817, 0.3131

Trichromacy



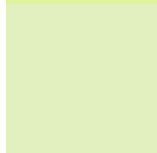
Original Color

83.1273, 0.3145, 0.4376



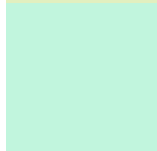
Protanomaly

81.9121, 0.3540, 0.4215



Deuteranomaly

81.6633, 0.3338, 0.3806



Tritanomaly

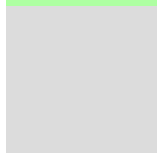
81.8627, 0.2941, 0.3556

Monochromacy



Original Color

83.1273, 0.3145, 0.4376



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0979, 0.3136, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1273, 0.3145, 0.4376 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 162)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 83.1273, 0.3145, 0.4376 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 255, 162) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 255, 162) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1273, 0.3145, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 162) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174,  
255, 162) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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